

1

## ABSTRACT

2        A hard disk drive and process of controlling the drive by adjusting disk drive parameters in  
3        accordance with ambient temperature. Various parameters affected by thermal variation are  
4        controlled to automatically adjust those values in order to compensate for changes in ambient  
5        temperature when an environment where a hard disk drive is installed changes, thereby allowing the  
6        hard disk drive to continuously operate with optimal performance. Those parameter, which are  
7        sensitive to the temperature of a hard disk drive, can be modified or controlled using the relationship  
8        therebetween in accordance with the current ambient temperature, thereby preventing any  
9        deterioration of the performance of the hard disk drive, even when temperature at the burn-in process  
10       and the current ambient temperature are different from each other.